

1 **ABSTRACT OF THE DISCLOSURE**

2 An electrophoretic display (EPD) has two opposite substrates with
3 electrodes, a fluid and multiple colored charged particles in the fluid. The
4 substrates are defined reflective areas and transmissive areas and has a front
5 face and a rear face. When a positive or negative electric potential is applied to
6 the electrodes on the opposite substrates, the colored charged particles are
7 collected to the reflective areas or the transmissive areas. Therefore, a front
8 light radiated to the first substrate is reflected and a backlight radiated to the
9 second substrate can be controlled to pass through the two opposite substrates.
10 Thus, the EPD in accordance with the present invention can become the
11 reflective or direct-viewing display or both of the reflective and direct-viewing
12 display.